

January 6, 1953

Dear Professor Creze:

Thank you for your letter of recent date in reply to mine of December 8, I must apologize in reporting that your first letter to me has unfortunately been lost or misfiled, so that I must rely upon my memory. If I am not mistaken, you obtained TR from H-901, treated TR with killed cells of *S. paratyphi* B (Ranson) and obtained, according to your present letter the Vi+ TM. The only detail I cannot immediately recall is the Vi type of TM.

Your cultures have also been received, and appear to be, at least roughly as you say. However we are not experts on questions of Vi type.

May I urge you to communicate with Dr. Felix (his address, if you happen not to have it at the instant, is: ~~Rankin~~ Central Enteric Reference Laboratory, Colindale Avenue, London NW 9, England.) He can surely give you much better advice and information than I can. For example, he has recently pointed out to me that the H-901 strain is probably derived from *S. typhi* Ty2, and that in addition it is possible to select a Vi+ strain from H-901 by passage through mice. The type of H-901 Vi+, as of Ty2, is E1 (not D1). Some of this information is quoted in his paper in the *Journal of Hygiene*, 49:92-110, 1951. His colleague, E.S. Anderson has written in the same journal, 49: 458-470, 1951, on the alterations of Vi type caused by phage-infection. I suggest that it would be of the greatest value for you to write to Dr. Felix.

I had already mailed the reprints you requested; you should receive them before long. It is quite appropriate that we should each write in our native tongue.

Yours sincerely,

Joshua Lederberg
Associate Professor of Genetics